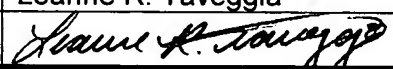


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PTO/SB/05 (4/98)  
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<b>UTILITY PATENT APPLICATION TRANSMITTAL</b> <small>(Only for new non-provisional applications under 37 C.F.R. § 1.53(B))</small>		<b>Attorney Docket No.</b> S104.12-0047/STL 11383.00	
		<b>First Inventor or Application Identifier</b> Xiong Liu et al.	
		<b>Title</b>	<b>METHOD OF DETERMINING THE MASS UNBALANCE OF AN ACTUATOR</b>
		<b>Express Mail Label No.</b> EV 241979358 US	
<b>APPLICATION ELEMENTS</b> <small>See MPEP chapter 600 concerning utility patent application contents.</small>		<b>Address To:</b> Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450	
<div>1. <input checked="" type="checkbox"/> *Fee Transmittal Form e.g., PTO/SB17) <small>(Submit an original and a duplicate for fee processing)</small></div> <div>2. <input type="checkbox"/> Applicant Claims small entity status</div> <div>3. <input checked="" type="checkbox"/> Specification [Total Sheets <span style="border: 1px solid black; padding: 0 5px;">22</span>] <small>(preferred arrangement set forth below)</small><ul style="list-style-type: none"><li>- Descriptive title of the Invention)</li><li>- Cross References to Related Applications</li><li>- Statement Regarding Fed sponsored R &amp; D</li><li>- Reference to Microfiche Appendix</li><li>- Background of the Invention</li><li>- Brief Summary of the Invention</li><li>- Brief Description of the Drawings (if filed)</li><li>- Detailed Description</li><li>- Claim(s)</li><li>- Abstract of the Disclosure</li></ul></div> <div>4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. § 113) [Total Sheets <span style="border: 1px solid black; padding: 0 5px;">9</span>]</div> <div>5. Oath or Declaration [Total Sheets <span style="border: 1px solid black; padding: 0 5px;">3</span>]<div>a. <input checked="" type="checkbox"/> Newly executed (original or copy)</div><div>b. <input type="checkbox"/> Copy from a prior application (37 C.F.R. § 1.63(d)) <small>(for continuation/divisional with Box 18 completed)</small><div>i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b> Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. §§1.63(d)(2) and 1.33(b).</div></div></div> <div>6. <input checked="" type="checkbox"/> Application Data Sheet. See 37 CFR 1.76</div>		<div>7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer program (Appendix)</div> <div>8. Nucleotide and/or Amino Acid Sequence Submission <small>(If applicable, all necessary)</small><div>a. <input type="checkbox"/> Computer Readable Copy</div><div>b. Specification Sequence Listing on:<div>i. <input type="checkbox"/> CD-ROM or CD-R (2 Copies); or</div><div>ii. <input type="checkbox"/> Paper</div></div><div>c. <input type="checkbox"/> Statement verifying identity of above copies</div></div>	
<b>ACCOMPANYING APPLICATION PARTS</b>			
<div>9. <input checked="" type="checkbox"/> Assignment Papers (cover sheet &amp; document(s))</div> <div>10. <input checked="" type="checkbox"/> 37 C.F.R. § 3.73(b) Statement <input checked="" type="checkbox"/> Power of Attorney <small>(when there is an assignee)</small></div> <div>11. <input type="checkbox"/> English Translation Document (if applicable)</div> <div>12. <input checked="" type="checkbox"/> Information Disclosure Statement (IDS)/PTO – 1449 <input type="checkbox"/> Copies of IDS Citations</div> <div>13. <input type="checkbox"/> Preliminary Amendment</div> <div>14. <input checked="" type="checkbox"/> Return Receipt Postcards (MPEP 503) <small>(Should be specifically itemized)</small></div> <div>15. <input type="checkbox"/> Certified Copy of Priority Document(s) <small>(if foreign priority is claimed)</small></div> <div>16. <input type="checkbox"/> Nonpublication Request Under 35 USC 122 <small>(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent</small></div> <div>17. <input checked="" type="checkbox"/> Other: checks in the amount of \$770.00 and \$40.00</div>			
<div>18. <b>If a CONTINUING APPLICATION,</b> check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:<div><input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation –in part (CIP) of prior application No: _____ / _____</div><div>Prior application information: Examiner _____ Group/Art Unit: _____</div><div><b>FOR CONTINUATION or DIVISIONAL APPS only:</b> The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.</div></div>			
<b>17. CORRESPONDENCE</b>			
<div><input type="checkbox"/> Customer Number or Bar Code Label <span style="border: 1px solid black; display: inline-block; width: 150px; height: 20px; vertical-align: middle;"></span> or <input checked="" type="checkbox"/> Correspondence address below</div> <div><small>(Insert Customer No. or Attach bar code label here)</small></div>			
<b>Name</b>		Mitchell K. McCarthy Seagate Technology LLC	
<b>Address</b>		10321 West Reno Avenue - Intellectual Property Department Mail Station OKM270	
<b>City</b>	Oklahoma City	<b>State</b>	OK
<b>Country</b>	USA	<b>Zip Code</b>	73127-9702
<b>Telephone</b>		(405) 577-7239	<b>Fax</b> (405) 324-4118

<b>Name (Print/type)</b>	Leanne R. Taveggia	<b>Registration No. (Attorney/Agent)</b>	53,675
<b>Signature</b>		<b>Date</b>	12/9/03

<b>FEE TRANSMITTAL</b>		<i>Complete if Known</i>																																																																																																																																											
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<b>METHOD OF PAYMENT (Check One)</b>		<b>FEE CALCULATION (Continued)</b>																																																																																																																																											
1. <input checked="" type="checkbox"/> The Director is hereby authorized to charge any additional fee required under 37 C.F.R. § 1.16 and 1.17, including any petition fee, and credit any over payments to Deposit Account No. <u>23-1123</u> . Westman, Champlin & Kelly, P.A.		<b>3. ADDITIONAL FEES</b>  <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Large Entity</th> <th style="text-align: left;">Small Entity</th> <th colspan="2"></th> <th></th> <th></th> </tr> <tr> <th>Fee</th> <th>Fee</th> <th>Fee</th> <th>Fee</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> <tr> <th>Code</th> <th>(\$)</th> <th>Code</th> <th>(\$)</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>1051</td> <td>130</td> <td>2051</td> <td>65</td> <td>Surcharge - Late filing fee or oath</td> <td></td> </tr> <tr> <td>1052</td> <td>50</td> <td>2052</td> <td>25</td> <td>Surcharge - Late provisional Filing Fee or cover sheet</td> <td></td> </tr> <tr> <td>1053</td> <td>130</td> <td>1053</td> <td>130</td> <td>Non-English specification</td> <td></td> </tr> <tr> <td>1812</td> <td>2,520</td> <td>1812</td> <td>2,520</td> <td>For Filing a Request for Reexamination. (ex parte)</td> <td></td> </tr> <tr> <td>1251</td> <td>110</td> <td>2251</td> <td>55</td> <td>Extension for reply within first month</td> <td></td> </tr> <tr> <td>1252</td> <td>420</td> <td>2252</td> <td>210</td> <td>Extension for reply within second month</td> <td></td> </tr> <tr> <td>1253</td> <td>950</td> <td>2253</td> <td>475</td> <td>Extension for reply within third month</td> <td></td> </tr> <tr> <td>1254</td> <td>1,480</td> <td>2254</td> <td>740</td> <td>Extension for reply within fourth month</td> <td></td> </tr> <tr> <td>1255</td> <td>2,010</td> <td>2255</td> <td>1,005</td> <td>Extension for reply within fifth month</td> <td></td> </tr> <tr> <td>1402</td> <td>330</td> <td>2402</td> <td>165</td> <td>Filing a brief in support of an appeal</td> <td></td> </tr> <tr> <td>1403</td> <td>290</td> <td>2403</td> <td>145</td> <td>Request for oral hearing</td> <td></td> </tr> <tr> <td>1814</td> <td>110</td> <td>2814</td> <td>55</td> <td>Terminal Disclaimer Fee</td> <td></td> </tr> <tr> <td>1452</td> <td>110</td> <td>2452</td> <td>55</td> <td>Petition to Revive - unavoidable</td> <td></td> </tr> <tr> <td>1453</td> <td>1,330</td> <td>2453</td> <td>665</td> <td>Petition to Revive - unintentional</td> <td></td> </tr> <tr> <td>1501</td> <td>1,330</td> <td>2501</td> <td>665</td> <td>Utility/Reissue issue fee (inc. advance copies)</td> <td></td> </tr> <tr> <td>1502</td> <td>480</td> <td>2502</td> <td>240</td> <td>Design issue fee (inc. advance copies)</td> <td></td> </tr> <tr> <td>1460</td> <td>130</td> <td>1460</td> <td>130</td> <td>Petitions to the Commissioner</td> <td></td> </tr> <tr> <td>1807</td> <td>50</td> <td>1807</td> <td>50</td> <td>Petitions related to provisional applications</td> <td></td> </tr> <tr> <td>1806</td> <td>180</td> <td>1806</td> <td>180</td> <td>Submission of Information Disclosure Statement</td> <td></td> </tr> <tr> <td>8021</td> <td>40</td> <td>8021</td> <td>40</td> <td>Recording each patent assignment per property (times number of properties)</td> <td></td> </tr> </tbody> </table>		Large Entity	Small Entity					Fee	Fee	Fee	Fee	Fee Description	Fee Paid	Code	(\$)	Code	(\$)			1051	130	2051	65	Surcharge - Late filing fee or oath		1052	50	2052	25	Surcharge - Late provisional Filing Fee or cover sheet		1053	130	1053	130	Non-English specification		1812	2,520	1812	2,520	For Filing a Request for Reexamination. (ex parte)		1251	110	2251	55	Extension for reply within first month		1252	420	2252	210	Extension for reply within second month		1253	950	2253	475	Extension for reply within third month		1254	1,480	2254	740	Extension for reply within fourth month		1255	2,010	2255	1,005	Extension for reply within fifth month		1402	330	2402	165	Filing a brief in support of an appeal		1403	290	2403	145	Request for oral hearing		1814	110	2814	55	Terminal Disclaimer Fee		1452	110	2452	55	Petition to Revive - unavoidable		1453	1,330	2453	665	Petition to Revive - unintentional		1501	1,330	2501	665	Utility/Reissue issue fee (inc. advance copies)		1502	480	2502	240	Design issue fee (inc. advance copies)		1460	130	1460	130	Petitions to the Commissioner		1807	50	1807	50	Petitions related to provisional applications		1806	180	1806	180	Submission of Information Disclosure Statement		8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
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Signature *Leanne R. Taveggia*  
 (Leanne R. Taveggia)

Reg. No. 53,675

Date December 9, 2003

Deposit Account No. 23-1123